DP CyberSerial 4S PCIe Quick Installation Guide

Introducing the *DP CyberSerial 4S PCIe*

The *DP CyberSerial 4S PCIe* high-speed serial I/O card provides four additional 9-pin serial ports.

Features and Benefits

- Compliant with PCI Express Base Specification Revision 1.0a
- PCI Express 1-lane (x1) serial I/O card works with PCI Express slots with different lane width
- Installs in any available PCI Express slot and provides four 9-pin RS232 serial ports via a fan-out cable
- Spare enhanced low profile bracket is included to work in low profile chassis
- 128-byte FIFO buffers dramatically increase data transmit/receive speed and supports data rates up to 920 Kbps
- Works as standard RS232 port or with 5V or 12V power output for devices that require power

System Requirements

- PCI Express-enabled system with an available PCI Express slot
- Windows® 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / 2000

Package Contents

- *DP CyberSerial 4S PCIe* adapter and spare enhanced low profile bracket
- 4-port fanout cable & "Y" split power cable
- Driver CD and quick installation guide

Layout

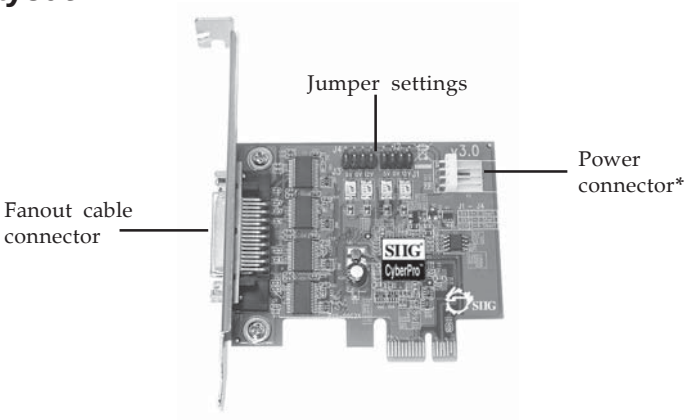


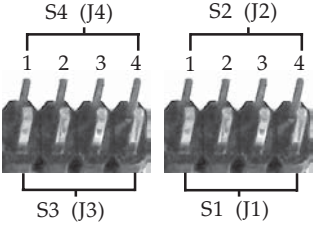
Figure 1: CyberSerial 4S PCIe Board Layout

Jumper Settings (J1-J4)

Short 2-3 = 0 volts

Short 1-2 = 5V

Short 3-4 = 12V



*** Note:** If the serial port(s) requires power output, connect the system power source to board's power connector, otherwise leave it unconnected. However, most serial devices do not require additional power through the serial port. Refer to your serial device's manual for more information. The jumpers can be omitted if no power output is required.

4-port Fan-out Cable

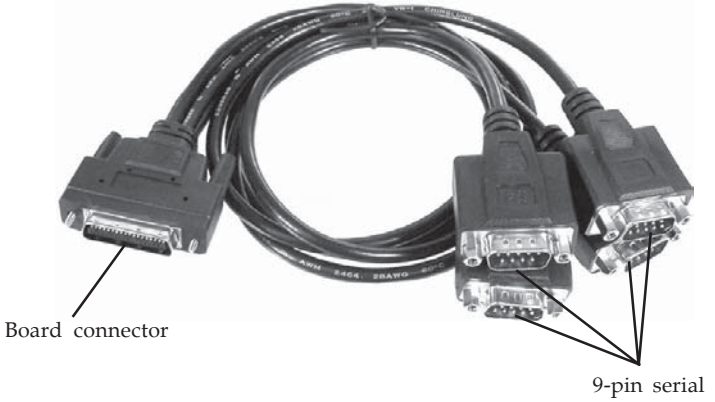


Figure 2: 4-port fanout cable

Hardware Installation

General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

Note: For low profile systems, remove the installed full size bracket and install the spare low profile bracket now.

1. Turn OFF the power to your computer and any other connected peripheral devices.
2. Unplug the power cord from the back of the computer. Remove the computer cover.
3. Remove the slot bracket from an available PCIe slot.
4. Set **J1-J4** jumpers (this step is optional). See **Jumper Settings (J1-J4)** on page **2** for more information.

5. Carefully align the card's bus connector with the selected PCIe slot on the motherboard. Push the board down firmly, but gently, until it is well seated.
6. Secure the card with the slot bracket holding screw.
7. Replace the computer cover and reconnect the power cord.
8. Connect the Mini 4-port fan-out cable to the fan-out cable connector on the card.

Driver Installation

This section provides information on how to install the *DP CyberSerial 4S PCIe* drivers.

Windows 7 (32-/64-bit)

1. Right click **Computer**, click **Manage**, click **Device Manager**. Insert the driver CD.

   Note: Close the CD AutoPlay box if prompted.

2. Right click **PCI Device**, click **Update Driver Software**.
3. Click **Browse my computer for driver software**.
4. Type **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. At Windows has successfully updated your driver software, click **Close**.
6. Under Other Devices, starting at the top, right click **16C95X Serial Port**, then click **Update Driver Software**.
7. Click **Browse my computer for driver software**.
8. Type **D:**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

9. At Windows has successfully updated your driver software, click **Close**.
10. Repeat steps 6-9 three more times to complete the installation.

Windows Vista (32-/64-bit)

1. At the **Found New Hardware** window, click **Locate and install driver software (recommended)**, then click **Continue**.
2. Click **Don't search online**.
3. Click **I don't have the disc. Show me other options**.
4. Insert the driver CD, click **Browse my computer for driver software (advanced)**.

   For 32-bit: Type **D:\XP-Later\32-bit**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

   For 64-bit: Type **D:\XP-Later\64-bit**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. Click **Close**.
6. Repeat steps 2-5 to complete the installation.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit)

1. At the **Found New Hardware Wizard**, select **No, not this time**, click **Next**.
2. Select **Install from a list or specific location (Advanced)**, then click **Next**.
3. Insert the driver CD, check **Include this location in the search**, uncheck the other box.

   For 32-bit: Type **D:\XP-Later\32-bit**, and click **Next**, then click **Finish**. (Change **D:** to match your CD/DVD-ROM drive letter)

For 64-bit: Type **D:\XP-Later\64-bit**, and click **Next**, click **Continue Anyway**, then click **Finish**. (Change **D:** to match your CD/DVD-ROM drive letter)

4. Repeat steps **1-3**:

   For 32-bit: One time to complete the installation.

   For 64-bit: Four times, then restart Windows to complete the installation.

Windows Server 2008 (32-/64-bit)

1. At the **Found New Hardware** window, click **Locate and install driver software (recommended)**.
2. Click **Don't search online**.
3. Click **I don't have the disc. Show me other options**.
4. Insert the driver CD, click **Browse my computer for driver software (advanced)**.

   For 32-bit: Type **D:\XP-Later\32-bit**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)

   For 64-bit: Type **D:\XP-Later\64-bit**, then click **Next**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. Click **Close**.
6. Repeat steps 2-5 to complete the installation.

Windows 2000

1. At the **Found New Hardware Wizard**, click **Next**.
2. Select **Search for a suitable driver for my device (recommended)**, and click **Next**.
3. Check **Specify a location**, uncheck the other boxes, then click **Next**.

4. Insert the driver CD, type in **D:\2K**, then click **OK**. (Change **D:** to match your CD/DVD-ROM drive letter)
5. Click **Next** and **Finish**.
6. Repeat steps **1-5**, then restart windows to complete the installation.

To Verify Windows Installation

1. Use Device Manager to verify successful installation.

   For Windows 7: Right click **Computer**, click **Manage**, click **Device Manager**.

   For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.

   For Windows XP / Server 2003 / 2000: Right click **My Computer**, click **Manage**, click **Device Manager**.

   For Windows Server 2008: Right click **Computer**, click **Manage**, double click **Diagnostics**, click **Device Manager**.
2. Click on the **+** (plus sign) in front of **Ports (COM & LPT)**, **CyberSerial 16C950...** should be displayed four times.
3. Double click **Multi-port Serial adapters**, **SIIG CyberPro 2S board** should be displayed.

Changing COM Port Number

Some serial devices need a specific COM port in order to work. If your serial device works properly, do not change this setting.

1. From the **Device Manager** window double click **Ports (COM & LPT)**, then double click the **CyberSerial** serial port you want to change.
2. Click **Settings** tab.
3. Click the down arrow that is next to the **COM Port number** box, select a COM port that is not in use, then click **OK**.
4. Click **OK**, then close **Device Manager** to save the changes.

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Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analysts will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. Please see our web site for more warranty details. If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to **www.siig.com**, click **Support**, then **RMA** to submit a request to SIIG RMA. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA#: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/ Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.

PRODUCT NAME

DP CyberSerial 4S PCIe

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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